

## In This Issue: April 25, 2023

## Research

## PRELIMINARY COMMUNICATION

**1356** VE303, a Defined Bacterial Consortium, for Prevention of Recurrent *Clostridioides difficile* Infection: A Randomized Clinical Trial

T Louie and Coauthors

This clinical trial compares the efficacy of 2 different doses of VE303, a defined bacterial consortium of 8 strains of commensal *Clostridia*, and placebo in preventing recurrence of *Clostridioides difficile* infection among adults at high risk.

 Visual Abstract

## ORIGINAL INVESTIGATION

**1367** Efficacy and Safety of Early Administration of 4-Factor Prothrombin Complex Concentrate in Patients With Trauma at Risk of Massive Transfusion: The PROCOAG Randomized Clinical Trial

P Bouzat and Coauthors  
for the PROCOAG Study Group

This randomized clinical trial examines whether systematic 4-factor prothrombin complex concentrate administration combined with a ratio-based transfusion protocol is superior to ratio-based transfusion alone in reducing 24-hour total blood product consumption in patients at risk of massive transfusion.

 Visual Abstract

**1376** Emulation of Randomized Clinical Trials With Nonrandomized Database Analyses: Results of 32 Clinical Trials

SV Wang and S Schneeweiss  
and the RCT-DUPLICATE Initiative

This study uses results from randomized clinical trials as a reference to learn whether similar clinical conclusions could be drawn had the RCT protocol been translated and implemented as a database study protocol.

Editorial **1352**

## Opinion

## VIEWPOINT

**1343** Medical School Rankings—Bad for the Health of the Profession and the Public

HJ Humphrey, D Levinson, and K Carter

 Audio

**1345** Does Insulin Price Reduction Suggest a Path Forward for Lowering Drug Costs?

T Brennan

Related Article **1337**

**1347** Harnessing the Promise of Artificial Intelligence Responsibly

DA Dorr, L Adams, and P Embl

Viewpoint **1349**

**1349** AI-Generated Medical Advice—GPT and Beyond

CE Haupt and M Marks

Viewpoint **1347**

## A PIECE OF MY MIND

**1351** Made With Love in a Petri Dish

L Rissman

In this narrative medicine essay, a pediatric critical care physician imagines the future discussion with her son about his conception and birth and recounts how she and her husband decided on expanding their family via gestational surrogacy.

## EDITORIAL

**1352** Randomized Trials vs Real-world Evidence: How Can Both Inform Decision-making?

RC Sheldrick

Related Article **1376**

**1354** Looking Back and Moving Forward—JAMA 2022 Year in Review

K Bibbins-Domingo and Coauthors

Related Article **1410**

## Clinical Review &amp; Education

## REVIEW

**1386** Diagnosis and Management of Pituitary Adenomas: A Review

NA Tritos and KK Miller

This review summarizes current evidence regarding diagnosis and treatment of pituitary adenomas.

 CME

## Online at JAMA.com

## AUDIO

Editor's Summary of This Issue

## CME

CME online at  
jamacmelookup.com

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Editor in Chief  
Kirsten Bibbins-Domingo, PhD, MD, MAS

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## In This Issue: April 25, 2023

## JAMA INSIGHTS

**1399 Management of Early Pregnancy Loss**  
S Neill

This JAMA Insights Clinical Update discusses the management of early pregnancy loss, including expectant, medical, and surgical management regimens.

JAMA Patient Page **1426**

 CME

## JAMA PATIENT PAGE

**1426 Early Pregnancy Loss**  
K Walter

This JAMA Patient Page describes the causes, risk factors, diagnosis, and management of early pregnancy loss.

Related Article **1399**

## News &amp; Analysis

## MEDICAL NEWS &amp; PERSPECTIVES

**1333 It Takes an Average of 17 Years for Evidence to Change Practice—the Burgeoning Field of Implementation Science Seeks to Speed Things Up**  
R Rubin

This Medical News feature discusses how implementation science seeks to narrow the often yearslong gap between the development of evidence-based practices and their routine use in the real world.

**1337 All 3 Major Insulin Manufacturers Are Cutting Their Prices—Here's What the News Means for Patients With Diabetes**  
M Suran

This Medical News article discusses recent announcements of price caps on some insulins.

Viewpoint **1345**

## MEDICAL NEWS IN BRIEF

**1340 WHO Warns "Very High" Global Risk as Cholera Cases Spread**  
E Harris**1340 Meta-analysis: Analgesics' Value for Lower Back Pain Uncertain**  
E Harris**1340 Updates on the Way for US Organ Transplant System**  
E Harris**1340 Including Medicare Advantage Beneficiaries Changes Hospital Rankings**  
E Harris**1340 Study: US COVID-19 Outcomes Tied to State Characteristics and Policies**  
E Harris**1341 Pembrolizumab Immunotherapy Improved Endometrial Cancer Survival**  
E Harris**1341 WHO: Concerning Spread of Dengue, Chikungunya in Latin America**  
E Harris**1341 Multiple Studies Link Unexplained Pediatric Hepatitis to AAV2**  
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E Harris

## Humanities

## POETRY AND MEDICINE

**1421 Resuscitation Bay Elegy**  
JM Klein

## EDITOR'S NOTE

**1421 From "Things End" to Elegy: The Difference Diction Makes**  
R Campo

Related Article **1421**

## JAMA REVISITED

**1422 The Present Status of Viruses and Virus Diseases: EDWIN W. SCHULTZ, M.D., Stanford University, Calif.**

## Letters

## RESEARCH LETTER

**1401 Quantity of Melatonin and CBD in Melatonin Gummies Sold in the US**  
PA Cohen and Coauthors

This study assesses the actual measured quantities of melatonin and cannabidiol (CBD) in products marketed and sold in the US as melatonin gummies compared with the quantities declared on their labels.

**1402 Trends in Buprenorphine Initiation and Retention in the United States, 2016-2022**

K-P Chua and Coauthors

This study uses data from an all-payer database of prescriptions dispensed in US retail pharmacies to assess trends in buprenorphine initiation and retention during 2016-2022.

**1404 Comparison of Availability of Trial Results in ClinicalTrials.gov and PubMed by Data Source and Funder Type**  
JT Nelson and Coauthors

This study examines the dissemination of trial results by data source (ie, ClinicalTrials.gov and PubMed) and funder type (ie, industry and nonindustry).

**COMMENT & RESPONSE Review of Progress and Challenges in Bacterial Meningitis**

**1406** Y Ait-Ali, L Bourlon, and FM Jacobs  
**1406** S Giuliano, F Sbrana, and C Tascini

## In Reply

**1407** R Hasbun

**Biopsychosocial Intervention or Postural Therapy in Patients With Spine Pain**

**1408** Z Zhu, A Chiarotto, and BW Koes

## In Reply

**1408** E Hsu, A Milstein, and N Choudhry

 Available online